

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Rev. 06/04/04

RECEIVED
CENTRAL FAX CENTER

OCT 16 2006

Applicants: Peter M. Goodwin

Docket No.: S-94,652

Serial No.: 09/862,855

Examiner: Strzelecka

Filed : 5/21/2001

Art Unit: 1637

For : RAPID HAPLOTYPEING BY SINGLE MOLECULE DETECTION

Customer No. 35068

Mail Stop Amendment
 Commissioner for Patents
 P. O. Box 1450
 Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated 05/16/2006, please enter and consider the DECLARATION OF PETER M. GOODWIN, JAMES H. WERNER, RICHARD A. KELLER AND HONG CAI UNDER 37 CFR 1.131 submitted herewith as well as the remarks which begin on page 6 of this paper. Amendments to the Claims begin on page 2 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date October 16, 2006

FACSIMILE

transmitted by facsimile to the United States Patent and Trademark Office

Karen Y. Mikus
 Signature

KAREN Y. MIKUS

10/17/2006 TL0111 00000046 122150 09862855

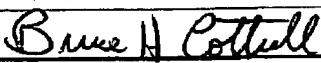
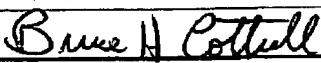
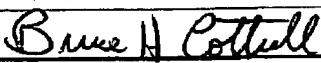
01 FC:2252 225.00 DA

RECEIVED
CENTRAL FAX CENTER

003

OCT 16 2006

Rev. 02/02/06

FEE TRANSMITTAL For FY 2006 <small>Patent fees are subject to annual revision</small>		Complete if Known																																																																																																																																																																															
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT: \$225.00		Application Number:	09/862,855																																																																																																																																																																														
		Filing Date:	5/21/2001																																																																																																																																																																														
		First Named Inventor:	Peter M. Goodwin																																																																																																																																																																														
		Examiner Name:	T. Strzelecka																																																																																																																																																																														
		Group/Art Unit:	1637																																																																																																																																																																														
		Attorney Docket No.:	S-94,652																																																																																																																																																																														
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17		3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity</th> <th style="text-align: left; width: 15%;">Small Entity</th> <th style="text-align: left; width: 15%;">Fee Code (\$)</th> <th style="text-align: left; width: 15%;">Fee Code (\$)</th> <th style="text-align: left; width: 15%;">Fee Description</th> <th style="text-align: right; width: 15%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>\$130</td> <td>2051</td> <td>\$65</td> <td>Surcharge - late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>2052</td> <td>\$50</td> <td>2052</td> <td>\$25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> </tr> <tr> <td>1812</td> <td>2520</td> <td>\$1812</td> <td>2520</td> <td></td> <td>For filing a request for reexamination</td> </tr> <tr> <td>1251</td> <td>2251</td> <td>\$120</td> <td>2251</td> <td>\$60</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252</td> <td>2252</td> <td>\$450</td> <td>2252</td> <td>\$225</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253</td> <td>2253</td> <td>\$1020</td> <td>2253</td> <td>\$510</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254</td> <td>2254</td> <td>\$1590</td> <td>2254</td> <td>\$795</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255</td> <td>2255</td> <td>\$2160</td> <td>2255</td> <td>\$1080</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>1401</td> <td>2401</td> <td>\$500</td> <td>2401</td> <td>\$250</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402</td> <td>2402</td> <td>\$500</td> <td>2402</td> <td>\$250</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403</td> <td>2403</td> <td>\$1000</td> <td>2403</td> <td>\$500</td> <td>Request for oral hearing</td> </tr> <tr> <td>1452</td> <td>2452</td> <td>\$500</td> <td>2452</td> <td>\$250</td> <td>Petition to revive - unavoidable</td> </tr> <tr> <td>1814</td> <td>2814</td> <td>\$110</td> <td>2814</td> <td>\$55</td> <td>Terminal Disclaimer</td> </tr> <tr> <td>1453</td> <td>2453</td> <td>\$1500</td> <td>2453</td> <td>\$750</td> <td>Petition to revive - unintentional</td> </tr> <tr> <td>1460</td> <td>1460</td> <td>\$130</td> <td>1460</td> <td>\$130</td> <td>Petitions to the Director</td> </tr> <tr> <td>1806</td> <td>1806</td> <td>\$180</td> <td>1806</td> <td>\$180</td> <td>Submission of Information Disclosure Statement</td> </tr> <tr> <td>1809</td> <td>2809</td> <td>\$790</td> <td>2809</td> <td>\$395</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> </tr> <tr> <td>1810</td> <td>2810</td> <td>\$790</td> <td>2810</td> <td>\$395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> </tr> <tr> <td>1811</td> <td>1811</td> <td>\$100</td> <td>1811</td> <td>\$100</td> <td>Certificate of Correction</td> </tr> <tr> <td>1504</td> <td>1504</td> <td>\$300</td> <td>1504</td> <td>\$300</td> <td>Publication fee for early, voluntary, or normal publication/Republication fee</td> </tr> <tr> <td>1801</td> <td>2801</td> <td>\$790</td> <td>2801</td> <td>\$395</td> <td>Request for Continued Examination (RCE)</td> </tr> <tr> <td colspan="4" style="text-align: center;">Other fee (specify) _____</td> <td colspan="2" style="text-align: right;">SUBTOTAL (3) \$225.00</td> </tr> <tr> <td colspan="4" style="text-align: center;">Reduced by Basic Filing Fee Paid</td> <td colspan="2" style="text-align: right;">SUBTOTAL FROM 1 \$-0- SUBTOTAL FROM 2 \$-0- SUBTOTAL FROM 3 \$225.00</td> </tr> <tr> <td colspan="4" style="text-align: center;">TOTAL AMOUNT OF PAYMENT (Enter total amount at top of page)</td> <td colspan="2" style="text-align: right;">\$225.00</td> </tr> <tr> <td colspan="5" style="text-align: center;">SUBMITTED BY</td> <td style="text-align: center;">Complete (if applicable)</td> </tr> <tr> <td>Printed Name:</td> <td colspan="3">Bruce H. Cottrell</td> <td>Reg. No.</td> <td>30,620</td> </tr> <tr> <td>Signature:</td> <td colspan="3"></td> <td>Date:</td> <td>10/16/2006</td> </tr> <tr> <td></td> <td colspan="3"></td> <td>Telephone</td> <td>(505) 667-9168</td> </tr> </tbody></table>		Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid	1051	2051	\$130	2051	\$65	Surcharge - late filing fee or oath	1052	2052	\$50	2052	\$25	Surcharge - late provisional filing fee or cover sheet	1812	2520	\$1812	2520		For filing a request for reexamination	1251	2251	\$120	2251	\$60	Extension for reply within first month	1252	2252	\$450	2252	\$225	Extension for reply within second month	1253	2253	\$1020	2253	\$510	Extension for reply within third month	1254	2254	\$1590	2254	\$795	Extension for reply within fourth month	1255	2255	\$2160	2255	\$1080	Extension for reply within fifth month	1401	2401	\$500	2401	\$250	Notice of Appeal	1402	2402	\$500	2402	\$250	Filing a brief in support of an appeal	1403	2403	\$1000	2403	\$500	Request for oral hearing	1452	2452	\$500	2452	\$250	Petition to revive - unavoidable	1814	2814	\$110	2814	\$55	Terminal Disclaimer	1453	2453	\$1500	2453	\$750	Petition to revive - unintentional	1460	1460	\$130	1460	\$130	Petitions to the Director	1806	1806	\$180	1806	\$180	Submission of Information Disclosure Statement	1809	2809	\$790	2809	\$395	Filing a submission after final rejection (37 CFR 1.129 (a))	1810	2810	\$790	2810	\$395	For each additional invention to be examined (37 CFR 1.129(b))	1811	1811	\$100	1811	\$100	Certificate of Correction	1504	1504	\$300	1504	\$300	Publication fee for early, voluntary, or normal publication/Republication fee	1801	2801	\$790	2801	\$395	Request for Continued Examination (RCE)	Other fee (specify) _____				SUBTOTAL (3) \$225.00		Reduced by Basic Filing Fee Paid				SUBTOTAL FROM 1 \$-0- SUBTOTAL FROM 2 \$-0- SUBTOTAL FROM 3 \$225.00		TOTAL AMOUNT OF PAYMENT (Enter total amount at top of page)				\$225.00		SUBMITTED BY					Complete (if applicable)	Printed Name:	Bruce H. Cottrell			Reg. No.	30,620	Signature:				Date:	10/16/2006					Telephone	(505) 667-9168
Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																												
1051	2051	\$130	2051	\$65	Surcharge - late filing fee or oath																																																																																																																																																																												
1052	2052	\$50	2052	\$25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																												
1812	2520	\$1812	2520		For filing a request for reexamination																																																																																																																																																																												
1251	2251	\$120	2251	\$60	Extension for reply within first month																																																																																																																																																																												
1252	2252	\$450	2252	\$225	Extension for reply within second month																																																																																																																																																																												
1253	2253	\$1020	2253	\$510	Extension for reply within third month																																																																																																																																																																												
1254	2254	\$1590	2254	\$795	Extension for reply within fourth month																																																																																																																																																																												
1255	2255	\$2160	2255	\$1080	Extension for reply within fifth month																																																																																																																																																																												
1401	2401	\$500	2401	\$250	Notice of Appeal																																																																																																																																																																												
1402	2402	\$500	2402	\$250	Filing a brief in support of an appeal																																																																																																																																																																												
1403	2403	\$1000	2403	\$500	Request for oral hearing																																																																																																																																																																												
1452	2452	\$500	2452	\$250	Petition to revive - unavoidable																																																																																																																																																																												
1814	2814	\$110	2814	\$55	Terminal Disclaimer																																																																																																																																																																												
1453	2453	\$1500	2453	\$750	Petition to revive - unintentional																																																																																																																																																																												
1460	1460	\$130	1460	\$130	Petitions to the Director																																																																																																																																																																												
1806	1806	\$180	1806	\$180	Submission of Information Disclosure Statement																																																																																																																																																																												
1809	2809	\$790	2809	\$395	Filing a submission after final rejection (37 CFR 1.129 (a))																																																																																																																																																																												
1810	2810	\$790	2810	\$395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																												
1811	1811	\$100	1811	\$100	Certificate of Correction																																																																																																																																																																												
1504	1504	\$300	1504	\$300	Publication fee for early, voluntary, or normal publication/Republication fee																																																																																																																																																																												
1801	2801	\$790	2801	\$395	Request for Continued Examination (RCE)																																																																																																																																																																												
Other fee (specify) _____				SUBTOTAL (3) \$225.00																																																																																																																																																																													
Reduced by Basic Filing Fee Paid				SUBTOTAL FROM 1 \$-0- SUBTOTAL FROM 2 \$-0- SUBTOTAL FROM 3 \$225.00																																																																																																																																																																													
TOTAL AMOUNT OF PAYMENT (Enter total amount at top of page)				\$225.00																																																																																																																																																																													
SUBMITTED BY					Complete (if applicable)																																																																																																																																																																												
Printed Name:	Bruce H. Cottrell			Reg. No.	30,620																																																																																																																																																																												
Signature:				Date:	10/16/2006																																																																																																																																																																												
				Telephone	(505) 667-9168																																																																																																																																																																												